IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.

: 10/587,480

Confirmation No. : 9869

First Named Inventor

: Kouji HARADA

Filed

July 27, 2006

TC/A.U.

2835

Examiner

Docket No.

056205.58073US

Customer No.

23911

Title

Heat Sink Board and Manufacturing Method

Thereof

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT (PTO ERROR)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

On the attached copy of the Official Filing Receipt, it was noted that the Foreign Priority Information has been omitted. Please make a change to reflect the omitted Foreign Priority Information to read as follows:

--2004-77371

March 18, 2004

Japan--.

A marked-up copy of the Filing Receipt together with a copy of the originally filed ADS form is provided herewith for the Patent Office's convenience.

Kindly return the "Corrected" Official Filing Receipt to the undersigned attorney of record.

Please charge any additional fee or credit any overpayment to the Deposit Account of Crowell & Moring, L.L.P., Account No. 05-1323, Docket No.: 056205.58073US.

May 23, 2007

James F. McKeown

Registration No. 25,406

Respectfully submitted,

CROWELL & MORING LLP Intellectual Property Group P.O. Box 14300 Washington, DC 20044-4300 Telephone No.: (202) 624-2500 Facsimile No.: (202) 628-8844

JFM:gtm 3104409_1





UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS - O. Sox 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

FILING OR 371(c) ART UNIT **FIL FEE REC'D** ATTY.DOCKET NO **TOT CLMS** IND CLMS APPL NO. DATE 10 3 056205.58073US 900 10/587.480 07/27/2006 2835

CONFIRMATION NO. 9869

23911 **CROWELL & MORING LLP** INTELLECTUAL PROPERTY GROUP P.O. BOX 14300 WASHINGTON, DC 20044-4300

FILING RECEIPT OC000000023064793*

Date Mailed: 03/26/2007

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Kouji Harada, Hitachinaka, JAPAN; Hiroatsu Tokuda, Hitachinaka, JAPAN; Kazuo Ojima, Hitachinaka, JAPAN; Masayuki Kobayashi, Mito, JAPAN;

Assignment For Published Patent Application

HITACHI LTD., TOKYO JAPAN, JAPAN

Power of Attorney: The patent practitioners associated with Customer Number 23911.

Domestic Priority data as claimed by applicant This application is a 371 of PCT/JP05/04861 03/11/2005 Foreign Applications Docket # -- JAPAN 2004-77371 03/18/2004--Due Date If Required, Foreign Filing License Granted: 03/22/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/587,480**

Projected Publication Date: 06/28/2007

Non-Publication Request: No

Early Publication Request: No

Title

Heat sink board and manufacturing method thereof

Preliminary Class

361

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The

date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



APPLICATION DATA SHEET

APPLICATION INFORMATION

Application Number::

Filing Date:: 07/27/2006

Application type:: Regular

Subject Matter:: Utility

Title:: Heat Sink Board and Manufacturing

Method Thereof

Attorney Docket No.:: 056205.58073US

Request for Early Publication?:: No

Request for Non-Publication?:: No

Suggested Drawing Figure:: 2

Total Drawing Sheets:: 4

Small Entity?:: No

Petition included?:: No

APPLICANT INFORMATION

Applicant one Authority Type:: Inventor

Primary Citizenship Country:: JAPAN

Status:: Full Capacity

Given name:: Kouji

Family name:: HARADA

City of Residence:: Hitachinaka

Country of Residence:: Japan

Street of mailing address:: c/o Hitachi, Ltd., Intellectual Property Group

12th Floor, Marunouchi Center Building

6-1, Marunouchi 1-chome

City of mailing address:: Chiyoda-ku,

State or Province of mailing address:: Tokyo

Country of mailing address:: Japan

Applicant two Authority Type:: Inventor

Primary Citizenship Country:: Japan

Status:: Full Capacity

Given name:: Hiroatsu

Family name:: TOKUDA

City of Residence:: Hitachinaka

Country of Residence:: Japan

Street of mailing address:: c/o Hitachi, Ltd., Intellectual Property Group

12th Floor, Marunouchi Center Building

6-1, Marunouchi 1-chome

City of mailing address:: Chiyoda-ku,

State or Province of mailing address:: Tokyo

Country of mailing address:: Japan

Applicant three Authority Type:: Inventor

Primary Citizenship Country:: Japan

Status:: Full Capacity

Given name:: Kazuo

Family name:: OJIMA

City of Residence:: Hitachinaka

Country of Residence:: Japan

Street of mailing address:: c/o Hitachi, Ltd., Intellectual Property Group

12th Floor, Marunouchi Center Building

6-1, Marunouchi 1-chome

City of mailing address:: Chiyoda-ku,

State or Province of mailing address:: Tokyo

Country of mailing address:: Japan

Applicant four Authority Type:: Inventor

Primary Citizenship Country:: Japan

Status:: Full Capacity

Given name:: Masayuki

Family name:: KOBAYASHI

City of Residence:: Mito

Country of Residence:: Japan

Street of mailing address:: c/o Hitachi, Ltd., Intellectual Property Group

12th Floor, Marunouchi Center Building

6-1, Marunouchi 1-chome

City of mailing address:: Chiyoda-ku,

State or Province of mailing address:: Tokyo

Country of mailing address:: Japan

CORRESPONDENCE INFORMATION

Correspondence customer number::

23911

REPRESENTATIVE INFORMATION

Representative customer number::

23911

DOMESTIC PRIORITY INFORMATION

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
This application	National Phase	PCT/JP2005/004861	03/11/2005
is a	of		

FOREIGN PRIORITY INFORMATION

Country::	Application Number.::	Filing Date::	Priority Claimed::
Japan	2004-77371	03/18/2004	Yes

ASSIGNEE INFORMATION

Assignee Name::

Hitachi, Ltd.

Street of mailing address::

6-6, Marunouchi 1-chome

City of mailing address::

Chiyoda-ku

State or Province of Mailing Address::

Tokyo

Country of Mailing Address::

Japan